Well History

Well Name: Droegemuller 11-15

API	Surface Legal Location	Field Name	State	Well Configuration Type
05123205610000	NWNW 15 5N 64W	Wattenberg	CO	Vertical

Ground Elevation (ft)	Original KB Elevation (ft)	KB-Ground Distance (ft)	Spud Date	Rig Release Date	On Production Date
4,580.00	4,590.00	10.00	8/23/2001 00:00	9/1/2001 00:00	10/19/2001

Job

Drilling - original, 8/23/2001 00:00

Job Category	Primary Job Type	Start Date	End Date	Objective
Drilling	Drilling - original	8/23/2001	9/1/2001	Explore Codell For Production

Daily Operations

Start Date	Summary	End Date

Initial Completion, 9/4/2001 00:00

Job Category	Primary Job Type	Start Date	End Date	Objective
Completion/Workover	Initial Completion	9/4/2001	2/16/2002	Produce Codell

Daily Operations

Start Date	Summary	End Date
9/2/2001	Caza Rig #1: Repair rig.	9/3/2001
9/3/2001	Caza Rig #1: Repair rig.	9/4/2001
9/4/2001	Caza Rig #1: Working on rig. MIRU Nuex Wireline and ran GR/VDL/CBL. PBTD @ 6864' KB. Cement top @ 3030' KB. Perforated the Codell from 6708' to 6718' KB with 30, .34 diameter holes, 3 spf, 120 deg phasing. RDMO.	9/5/2001
9/6/2001	MIRU BJ Services and frac'd the Codell with 2812 bbl Vistar 20/18 and 226400# 20/40 mesh white sand. Breakdown pressure @ 2896 psig; MTP - 3991 psig; ATP - 3672 psig; AIR - 15.6 bpm; 4 ppa sand; ISIP - 3517 psig; Flushed with 105 bbl. Open well to tank on 12/64 choke.	9/7/2001
9/9/2001	Flowing well to tank thru 12/64 choke to clean up after frac. FL casing pressure 500#. TLR 1383 bbls. LR 194. Cutting 100% oil, SI well.	9/10/2001
2/14/2002	MIRU completion rig. SD due to high winds. SDFN.	2/15/2002
2/15/2002	Kill well with 2% KCL. NU BOPs & tally in hole with 215 jts of 2 3/8" tubing. Tag sand @ 6731 KB. RU circ pump & clean hole to 6905'. Circ 45 mins on btm. Land tubing with 213 jts + (1) 10" sub @ 6695 KB. Flange up wellhead. RDMO comp rig. (Codell 6708-16).	2/16/2002
2/16/2002	MIRU swab rig. Swab well, LR 95 bbls. Tubing string kicked off flowing. Leave well clean up ½ hr. SWIFWE.	2/17/2002

Wellbore Integrity, 12/10/2013 06:00

Job Category	Primary Job Type	Start Date	End Date	Objective
Completion/Workover	Wellbore Integrity	12/10/2013	12/11/2013	5K Wellhead, Pull Tubing, Set RBP

Daily Operations

Start Date	Summary	End Date
12/10/2013	STP 600 psi, SCP 550 psi, on blow down through production equipmment, SSCP 0 psi, MIRU Bayou 022, blew well down to rig tank, control well w/40 bbls 2% KCL/Biocide water, ND WH, NU BOP, PU tag jts, TIH w/ 5 jts, no tag @ 6,858.24' w/5, LD tag jts, POOH w/production tbg to derrick w/ 213 jts 2 3/8" J-55 EUE 8rd tbg,1-10'subs, sn/nc, tbg was landed at 6,694.98' KB, RU Pick Testers, PU RMOR's 3 7/8" blade git - 4 1/2" csg scraper, TIH w/production tbg from derrick testing to 6000 psi, all jts tested good, RD tester, circulated down to 6,861.34' KB (PBTD) and tools w/218 jts, rolled hole clean, POOH w/ 10 jts of tbg to derrick, SI and isolate well, drained lines and pump, racked pump and tank, SDFN.	12/10/2013
12/11/2013	SCP 0 psi, STP 0 psi, SSCP 0 psi, blew well down to rig tank, finished POOH w/tbg to derrick, LD tools, PU RMOR's 4 1/2" WLTC RBP, TIH w/production tbg, set RBP at 6,626.28' KB and tools w/211 jts, LD 1 jt, circulated oil and gas out, pressure tested csg/RBP to 2000 psi, test good, POOH LD w/4 jts spotted 2 sks of sand, LD 5 more jts onto ground, LD a total of 12 jts onto ground, Landed well w/ 201 jts 2 3/8" tubing @ 6,311.97'. Installed 5K WH. SI and isolate well, drained lines and pump, racked pump and tank, RDMOL.	12/11/2013
7/15/2014	No pressures @ the well head. Held safety meeting. MIRU Bayou rig 004. Function test BOPE. ND well head and NU BOPE. RU pump lines to well head. Pressure tested lines to 2,000 psi.. PU 10 jts. from the ground and tagged sand @ 6,616.28'. RU tubing swivel, TIW valve, and circulation equipment. Broke circulation and wash down and latched on to RBP @ 6,626.28' w/same jt.. Rolled the hole clean of sand. RD circulation equipment. Re-leased RBP and well went on vacuum. POOH tallying to the derrick w/211 jts. and tallied 1 jt. on the ground, 213 jts.-6,674.93'.. MIRU Pick Testers. PU new notch collar and seat nipple (ID=1.780") from WB Supply. TIH from the derrick testing to 6,000 psi. 213 jts. and all jts. tested good. PU 4 tag jts. and did not tag, EOT @ 6,822'. LD tag jts. and landed tubing 13.47' above the Codell perfs @ 6,694.53' w/213 jts. of 2 3/8" 4.7# J-55 EUE, NC/SN-1.6', and 8' adj. KB. Nipple down BOP and NU well head. RU sand line, lubricator and pack off to master valve. RIH w/1.901" broach and broached to seat nipple. POOH, LD broach and RU swab cups to swap in the AM. Shut in and secured the well for the weekend.	7/15/2014
7/16/2014	No pressures at the well head. Held safety meeting. RIH w/swab cups and made 15 swab runs. RD swab equipment and lubricator. RDMOL IFL=2,800' IP= 0/0 FFL=6,200' FP= 0/60 Returned 53 bbls.	7/16/2014

Well History

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4,580.00	4,590.00	10.00	8/23/2001 00:00	9/1/2001 00:00	10/19/2001

Job

Mechanical Integrity Test, 9/16/2015 06:00

Job Category	Primary Job Type	Start Date	End Date	Objective
Completion/Workover	Mechanical Integrity Test	9/16/2015		Test tubing, Set RBP, Test and chart casing, reinstall production tubing.

Daily Operations

Start Date	Summary	End Date
9/16/2015	STP 400 psi, SCP 400 psi, not on blow down through production equipmment, SSCP 0 psi, MIRU Ensign 313, held safety meeting, RU rig and all equipment, pressure tested hard lines, blew well down to rig tank, control well w/60 bbls Claytreat/Biocide water, function tested BOP's, ND WH, NU BOP, unlanded tubing, PU tag jts, TIH w/ 4 jts, no tag @ 6,809.61', LD tag jts, POOH w/production tbg to derrick w/ 213 jts 2 3/8" J-55 EUE 8rd tbg, 1-10' subs, sn/nc, tbg was landed at 6,694.37' KB, held safety meeting, RU Pick Testers, PU STS bit and scraper dressed for 4 1/2" 10.5# casing, TIH w/production tbg testing to 6000 psi, found no holes, no splits, all jts tested good, RD tester, RD circulation equipment, rolled hole clean, no communication up surface casing, no signs of holes, LD 5 jts, TOOH standing back w/ tubing to derrick, SI and isolate well, shut and locked blind rams on BOP's, drained lines and pump, prepared for next day operations, SDFN	9/16/2015
9/17/2015	SCP 0 psi, SSCP 0 psi, held safety meeting, opened well to rig tank, control well w/20 bbls Claytreat/Biocide water, PU STS's 4 1/2" WLTC RBP, TIH w/production tbg, set RBP at 6,670.27' KB and tools w/213 jts (37.73' above top of Codell formation), LD 1 jt, RU circulation equipment, broke circulation, rolled hole for 1 hour rolling out all oil and gas, pressure tested casing to 500 psi w/ rig pump, held for 15 mins, good test, released pressure.Si and isolated well, shut and locked pipe rams on BOP's, drained lines and pump, prepared for next days operations. Will wait until next day to pressure test with hydro-test truck and chart test for 15 mins. State has been notified of scheduled test. SDFN.	9/17/2015
9/18/2015	SCP 0 psi, STP 0 psi, SSCP 0 psi, held safety meeting, open well to rig tank, MIRU Pick Testers, pressured casing to 500 psi, held and charted pressure for 15 mins, 2 psi pressure loss, good test, State Representative was not on location to witness test, released presssure, PU 1 jts of tubing, latched onto RBP, released RBP, TOOH standing back to derrrick, LD tools, PU NC/SN, TIH with production tubing,ND BOP, land tbg in WH 6694.37' KB (13.63' above the Codell) w/213 jts plus 1-10 subs, NU WH, did not dropped new PCS full port standing valve and broached to seatnipple w/1.901" broach, RU swab equipment. ITP-0 psi ICP-0 psi IFL-3500' FFL-5200' Swabed back 28 bbls water FTP-blow FCP-50 psi Made 15 swab runs isolate well, drained lines and pump, racked pump and tank, RDMOL. Tbg detail: 7.0' adj KB 7.0' 213 jts 2 3/8" 4.7# J-55 EUE 8rd 6675.77' 6682.77' 1-10' 2 3/8" 4.7# J-55 8rd EUE sub 10.00' 6692.77' Seatnipple/notched collar 1.60' 6694.37'	9/18/2015

FORM 21 Rev 6/99

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109

FOR OGCC USE ONLY

MECHANICAL INTEGRITY TEST

Fill out Part II of this form if well tested is a permitted or pending injection well. Send original plus one copy.

1. Duration of the pressure test must be a minimum of 15 minutes.
2. A pressure chart must accompany this report if this test was not witnessed by a OGCC representative.
3. For production wells, test pressures must be at a minimum of 300 psig.
4. For injection wells, test pressures must be at 300 psig or minimum injection pressure, whichever is greater.
5. A minimum 300 psi differential pressure must be maintained between the tubing and tubing/casing annulus pressure.
6. Do not use this form if submitting under provisions of Rule 326.b. (1) B. or C.
7. OGCC notification must be provided prior to the test.
8. Packers or bridge plugs, etc., must be set within 250 feet of the perforated interval to be considered a valid test.

Complete the Attachment Checklist

	Oper	OGCC
Pressure Chart		
Cement Bond Log		
Tracer Survey		
Temperature Survey		

OGCC Operator Number: 69175
Name of Operator: PDC Energy Inc.
Address: 3801 Carson Ave.
City: Evans State: CO Zip: 80620

Contact Name and Telephone
Travis Yenne
No: 970-506-9272
Fax: 970-506-9276

API Number: 05-123-20561 Field Name: Wattenberg Field Number:
Well Name: Droegemuller Number: 11-15
Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW 5N-64W-15

☒ SHUT-IN PRODUCTION WELL ☐ INJECTION WELL Facility No.:

Part I Pressure Test

☐ 5 -Year UIC Test ☒ Test to Maintain SI/TA Status ☐ Reset Packer
☐ Verification of Repairs ☐ Tubing/Packer Leak ☐ Casing Leak ☐ Other (Describe)

Describe Repairs:

NA - Not Applicable **Wellbore Data at Time Test**

Injection/Producing Zone(s)	Perforated Interval: ☐ NA	Open Hole Interval: ☐ NA
Codell	6708'-6718'	

Casing Test ☐ NA
Use when perforations or open hole is isolated by bridge plug or cement plug
Bridge Plug or Cement Plug Depth: 6670.27

Tubing Casing/Annulus Test ☐ NA

Tubing Size:	Tubing Depth:	Top Packer Depth:	Multiple Packers?
2 3/8"	6662.77'	n/a	☐ YES ☒ NO

Test Data

Test Date	Well Status During Test	Date of Last Approved MIT	Casing Pressure Before Test	Initial Tubing Pressure	Final Tubing Pressure
9/17/15	Shut In		0 psi	0 psi	0 psi

Starting Casing Test Pressure	Casing Pressure - 5 Min.	Casing Pressure - 10 Min.	Final Casing Test Pressure	Pressure Loss or Gain During Test
535 psi	534 psi	534 psi	534 psi	2 psi loss

Test Witnessed by State Representative? ☐ YES ☒ NO OGCC Field Representative:

Part II Wellbore Channel Test

Complete only if well is or will be an injection well.
Indicate method used for cement integrity test, attach appropriate records, charts, or logs unless previously submitted.

☐ Tracer Survey Run Date: ☐ CBL or Equivalent Run Date: ☐ Temperature Survey Run Date:

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Chad Sailors

Signed: Title: Workover Rig Supervisor Date: 9/17/15

OGCC Approval: Title: Date:

Conditions of Approval, if any:

Pick Testers **Guy Dove**
Sterling,CO 80751 **970-520-2769**

Droegemuller 11-15 Chad sailors
M.I.T.

API# 05-123-20561 NWNW 5N 64W 15

Interval: 60 Seconds

DataPoint	LogDate	LogTime	2-P PSI
0		8:14:22 AM	535
1		8:15:23 AM	536
2		8:16:23 AM	535
3		8:17:23 AM	534
4		8:18:23 AM	534
5		8:19:23 AM	534
6		8:20:23 AM	534
7	9/17/2015	8:21:23 AM	534
8		8:22:23 AM	534
9		8:23:23 AM	534
10		8:24:23 AM	534
11		8:25:23 AM	534
12		8:26:23 AM	534
13		8:27:23 AM	534
14		8:28:23 AM	534
15		8:29:23 AM	534